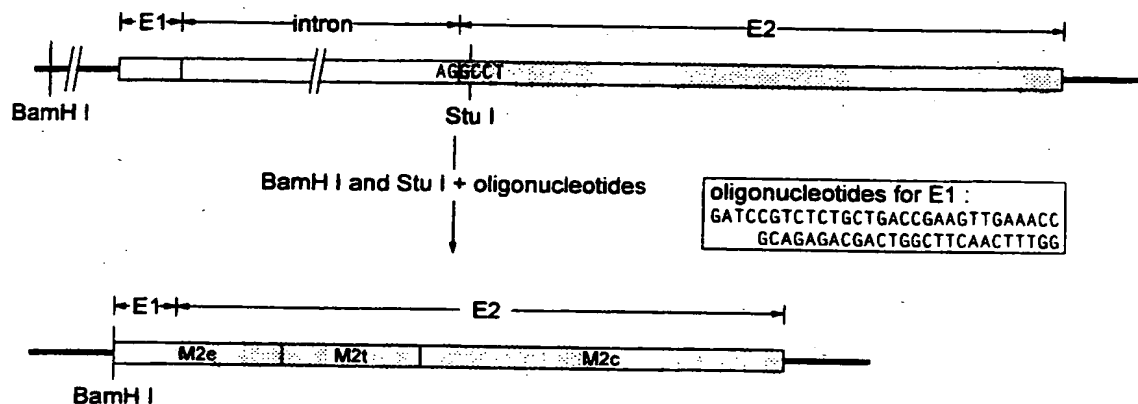


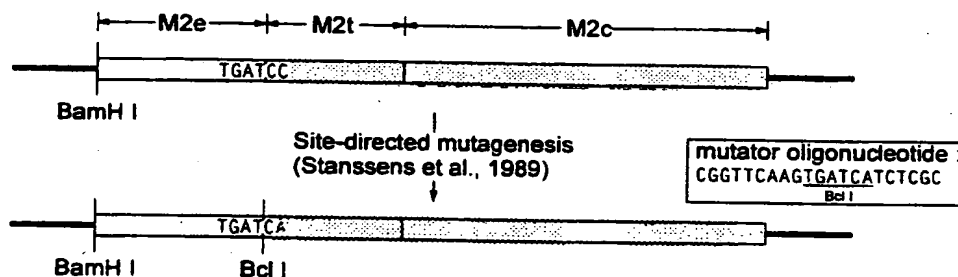
1/35

Figure 1

A



B



C

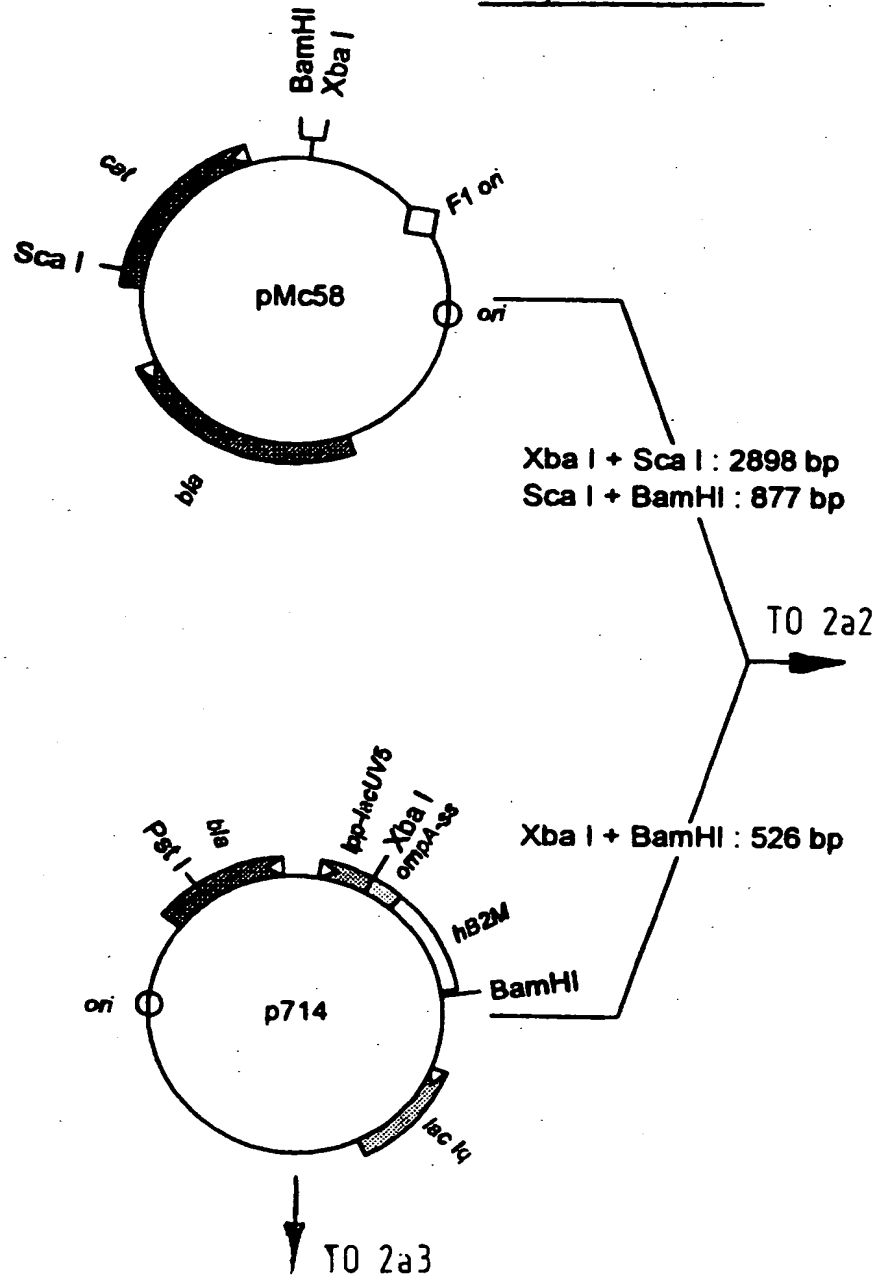
	2	3	4	5	6	7	8	9	10	11
Nucleotide sequence :	TCT	CTG	CTG	ACC	GAA	GTT	GAA	ACC	CCT	ATC
Amino acid sequence :	Ser	Leu	Leu	Thr	Glu	Val	Glu	Thr	Pro	Ile

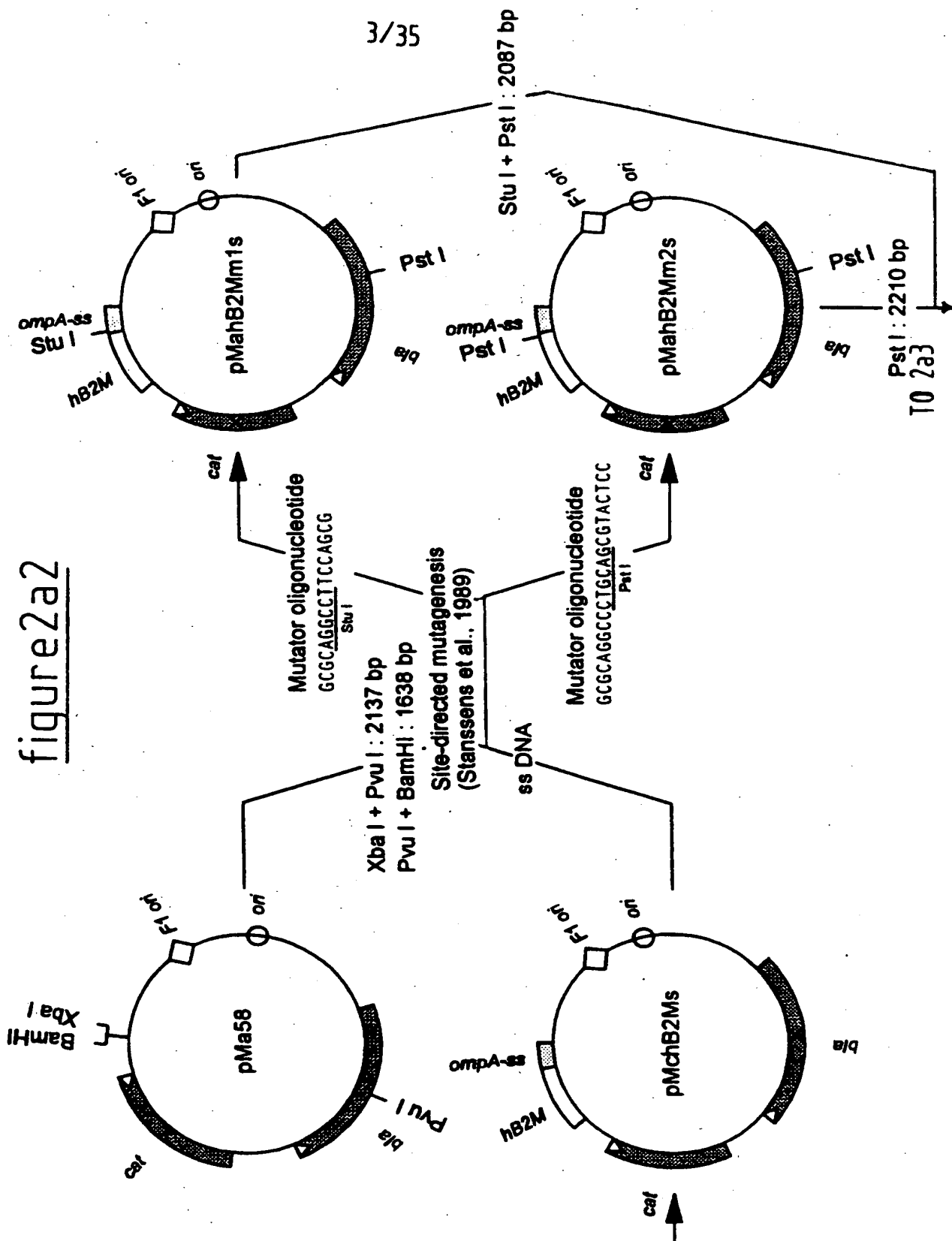
	12	13	14	15	16	17	18	19	20	21	22	23	24
	AGA	AAC	GAA	TGG	GGG	TGC	AGA	TGC	AAC	GGT	TCA	AGT	GAT
	Arg	Asn	Glu	Trp	Gly	Cys	Arg	Cys	Asn	Gly	Ser	Ser	Asp

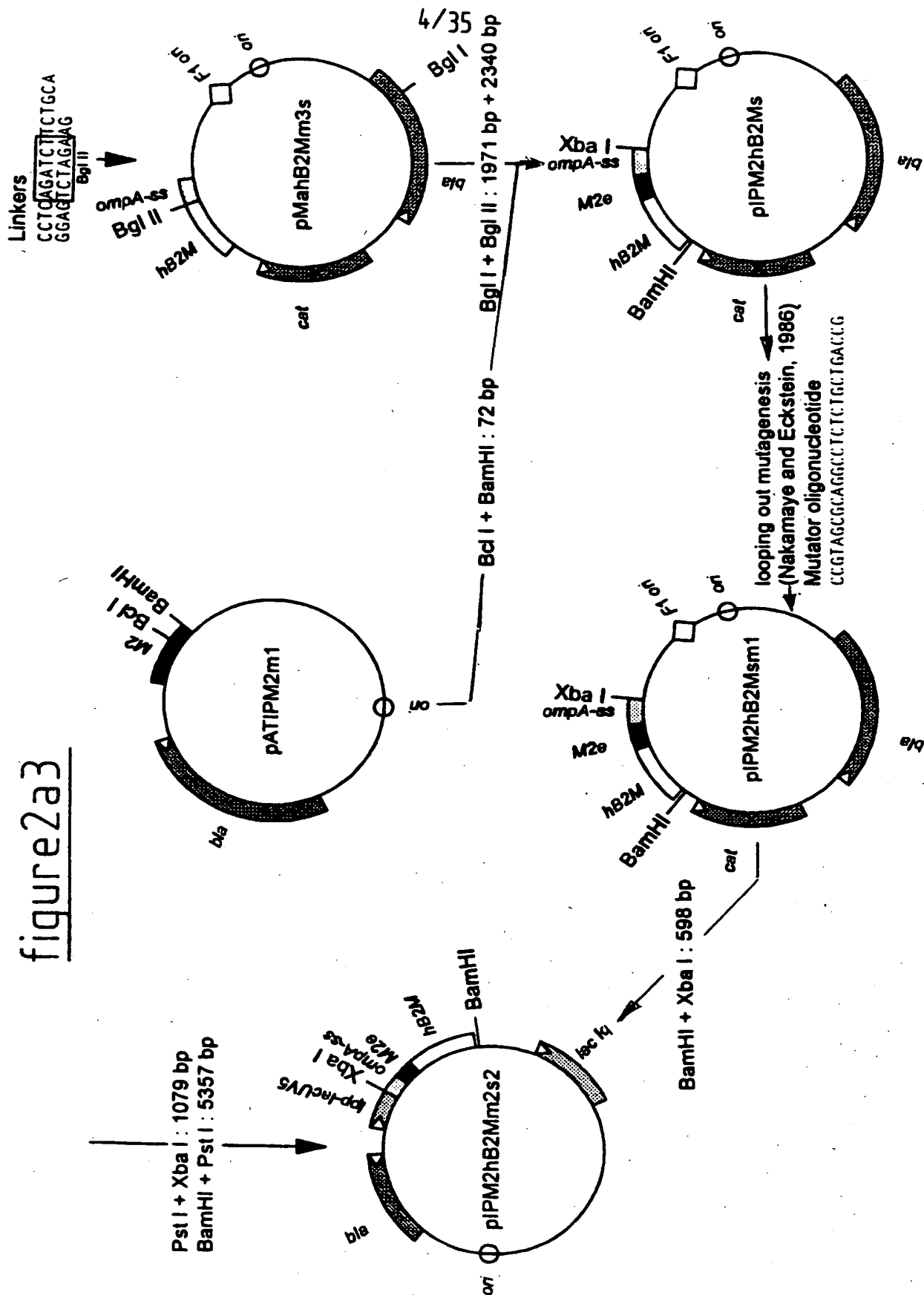
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figure 2a1

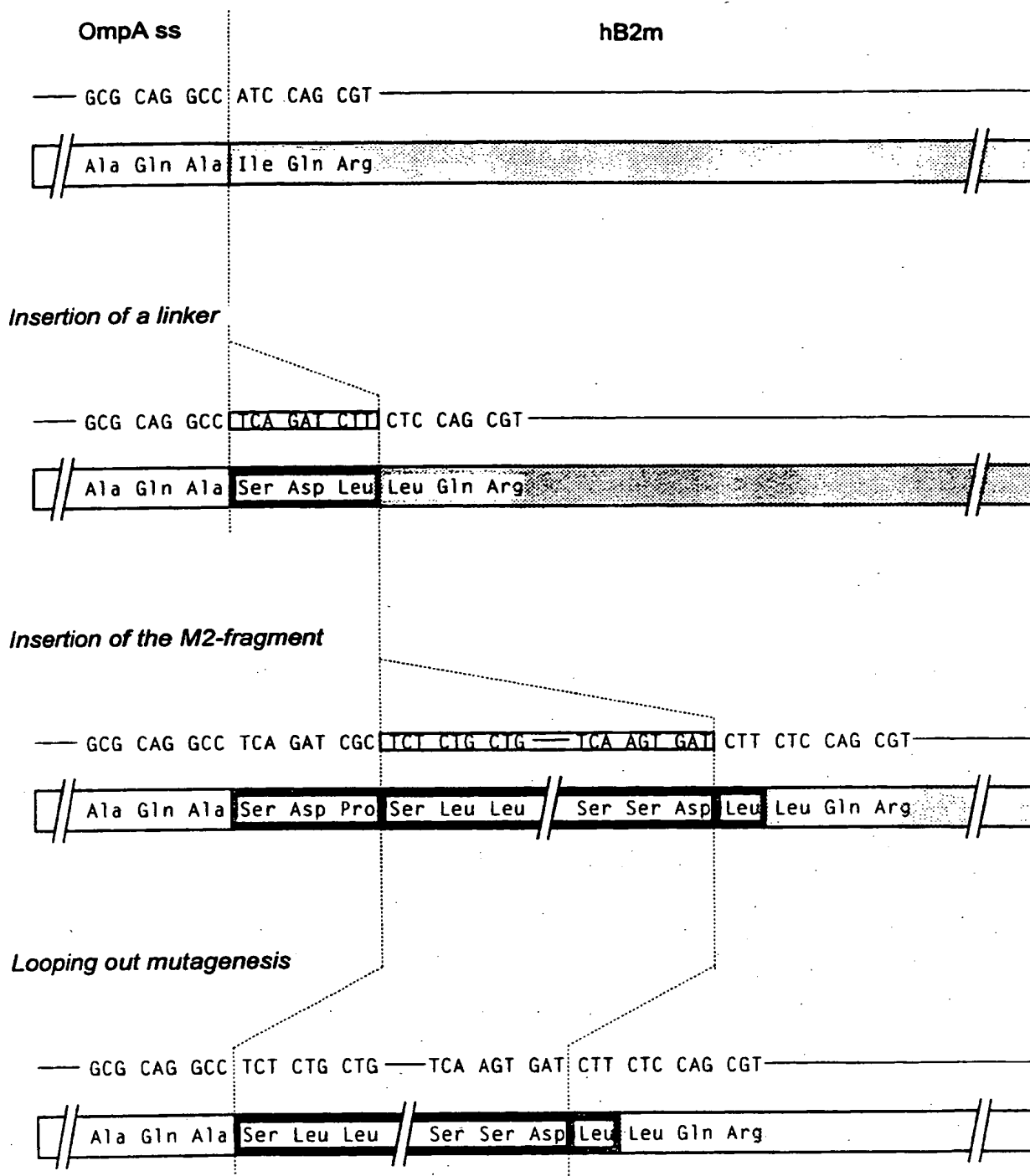


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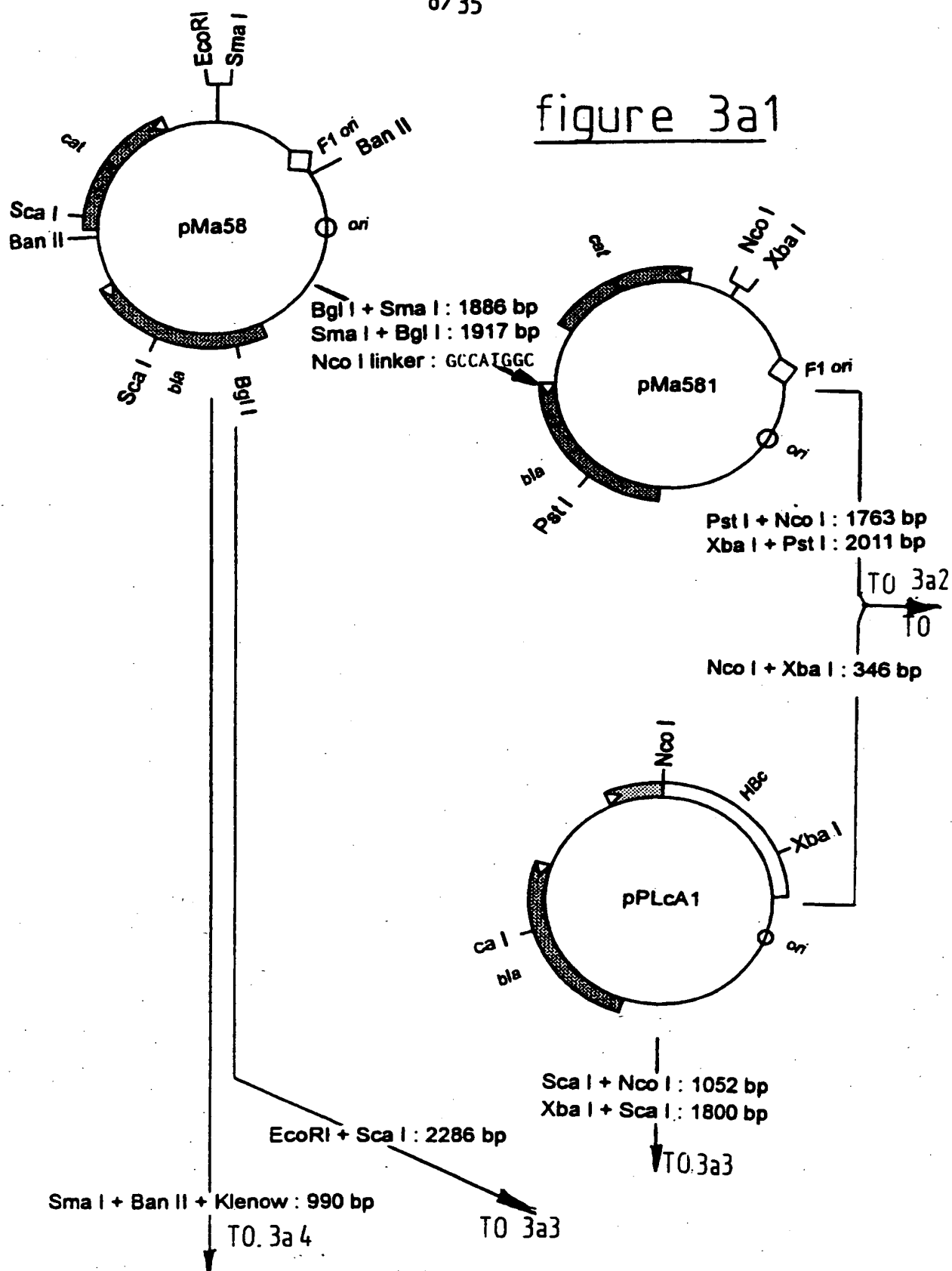




**Figure 2b**

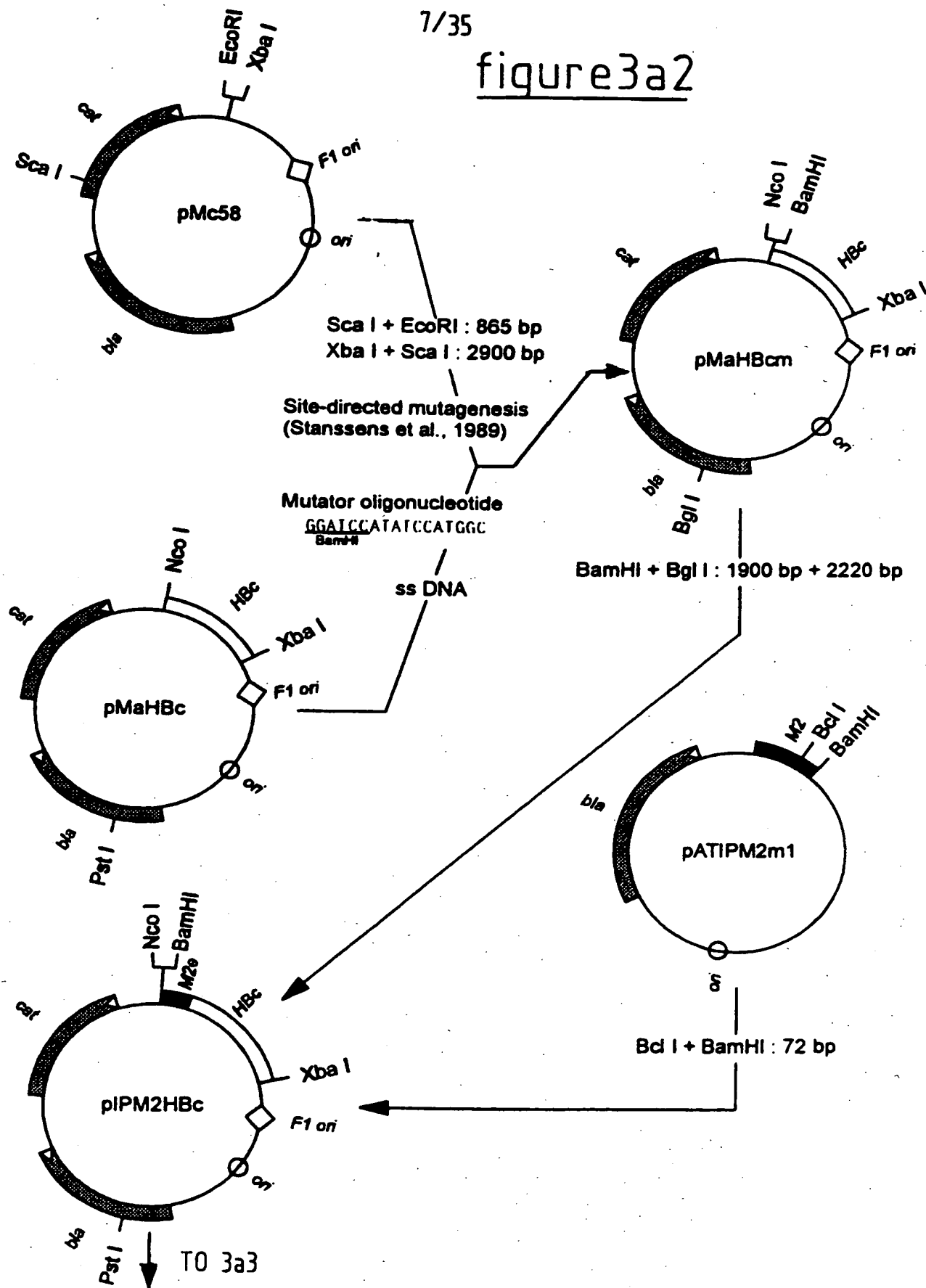


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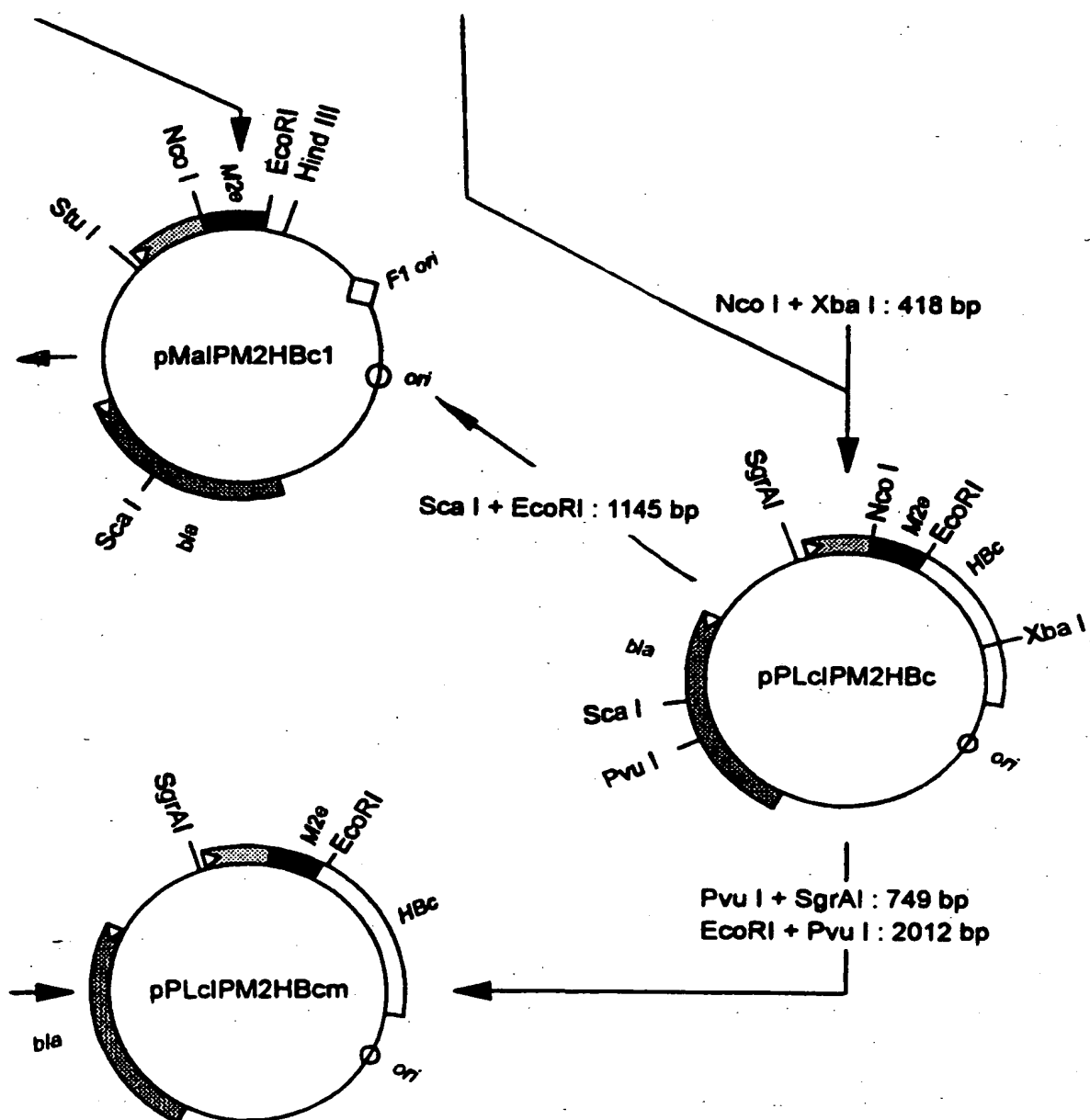
figure 3a1

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figure3a2

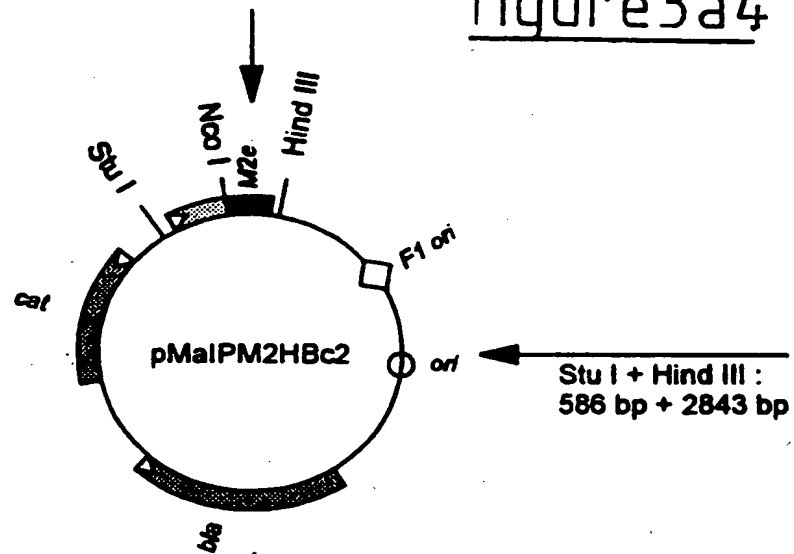


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figure3a3



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figure 3a4

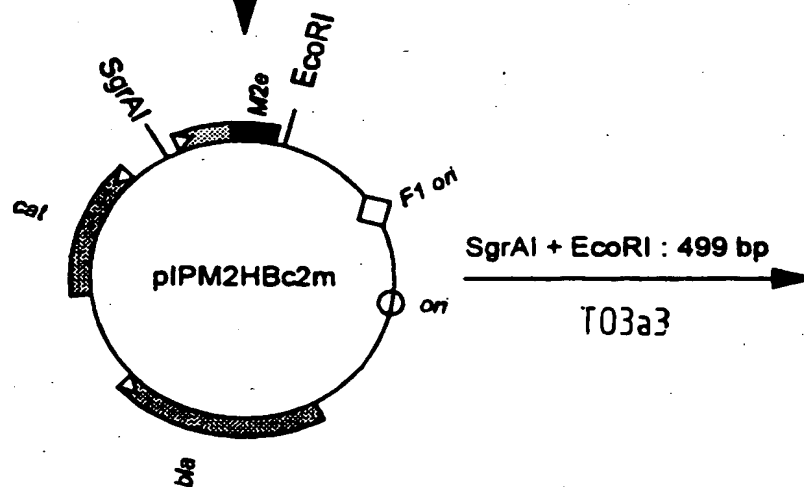
looping out mutagenesis  
(Deng and Nickoloff, 1992)

Mutator oligonucleotide :

CGGTCAGCAGAGACATGGGTAATCC

Selection oligonucleotide

CCAGACCGTTCAGCTGGATATTACGG



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Figure 3b

Hepatitis B core						
1	2	3	4	5	6	...
Met	Asp	Ile	Asp	Pro	Tyr	...
ATG	GAT	ATC	GAT	CCT	TAT	...
						wild type
Hepatitis B core						
Met	Asp	Met	Asp	Pro	Tyr	...
ATG	GAT	ATG	GAT	CCT	TAT	...
						mutant
Bam HI						

Figure 3c

HBc

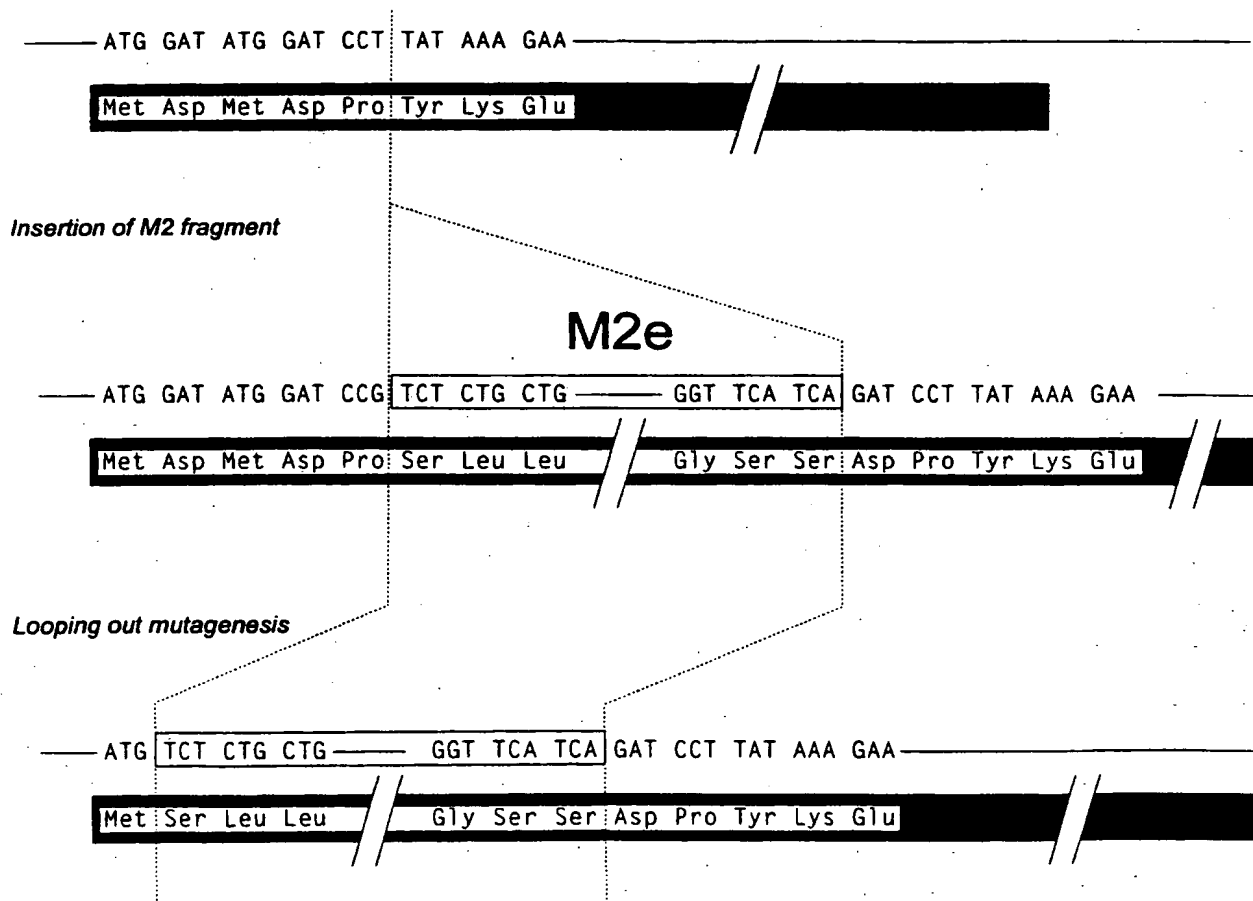


Figure 4

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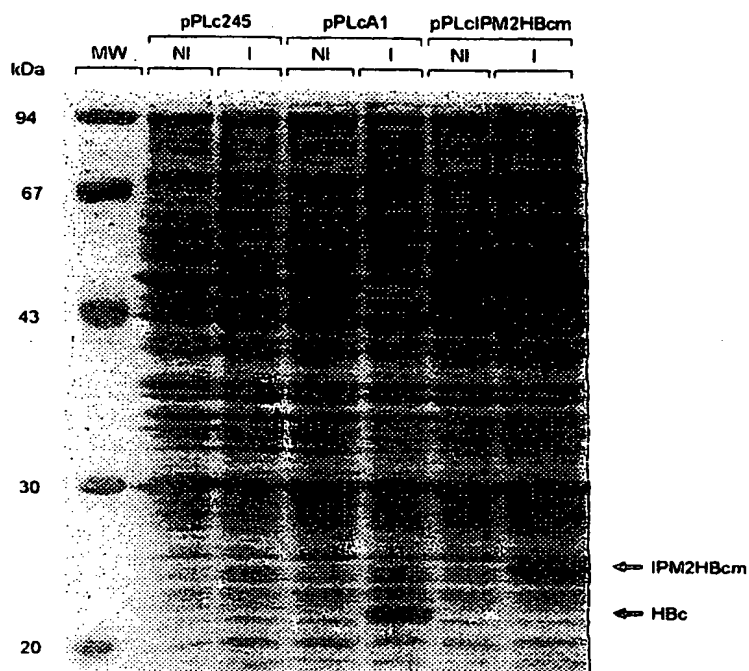
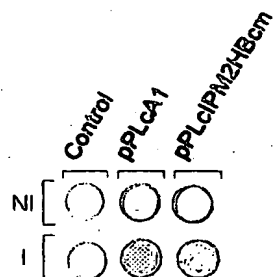
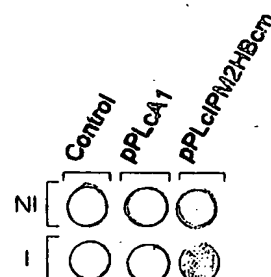


Figure 7

A.



B.



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Figure 5

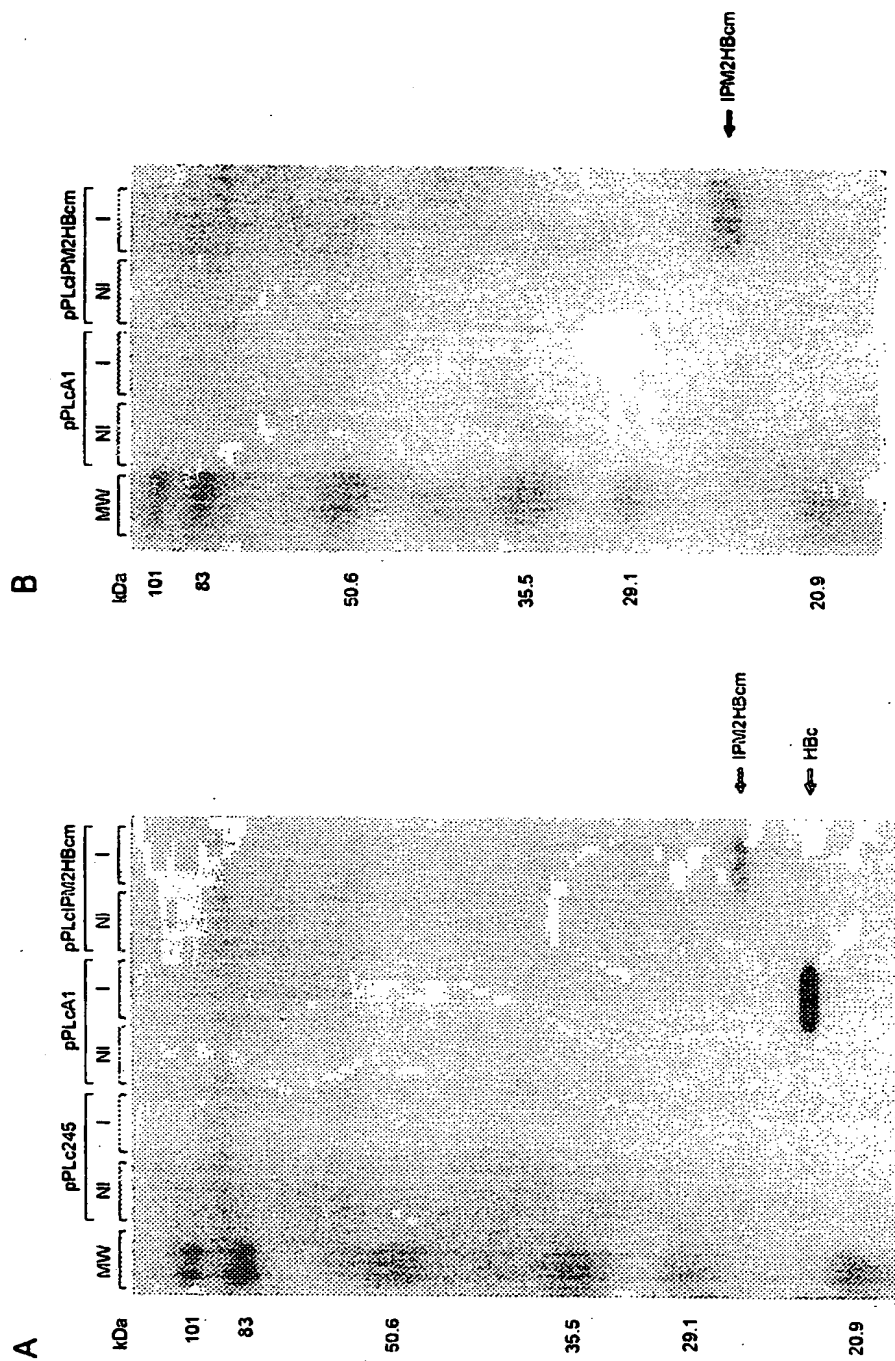


Figure 6

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ATG TCT CTG CTG ACC GAA GTT GAA Nucleotide sequence of *ipm2hbcm*

Met Ser Leu Leu Thr Glu Val Glu Translated amino acid sequence

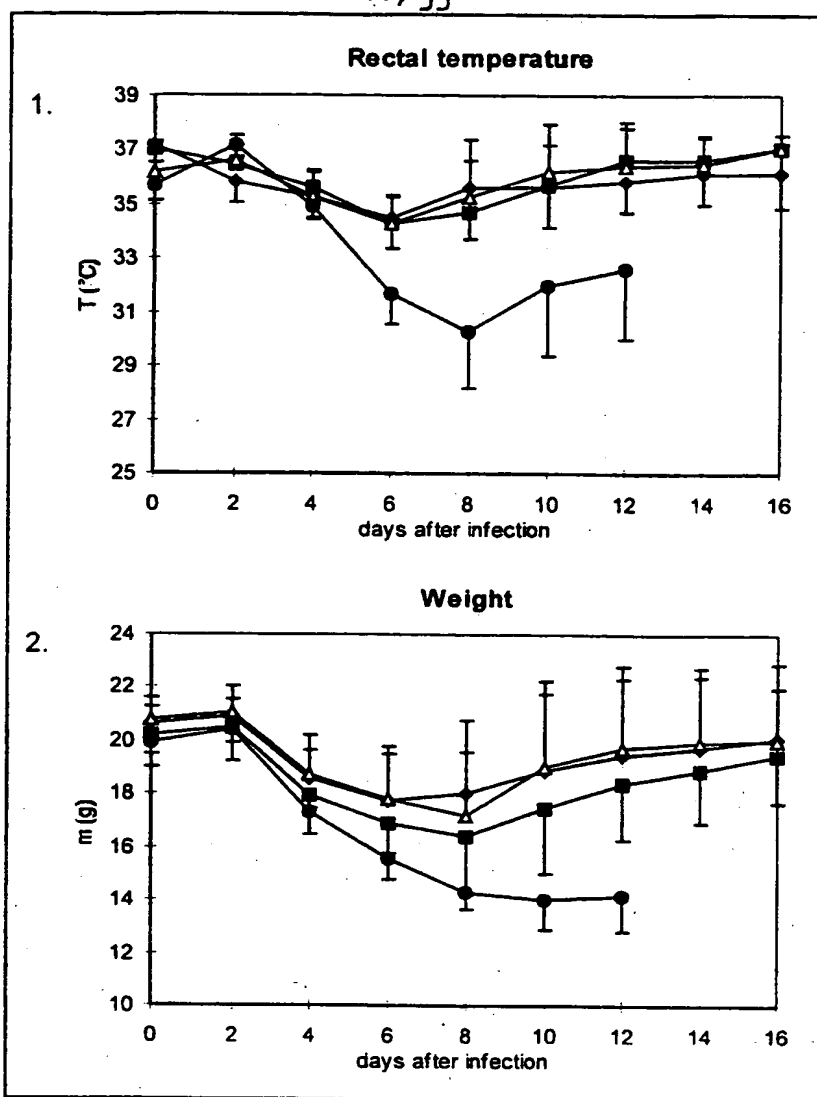
**Ser Leu Leu Thr Glu Val Glu** Amino terminus of the fusion protein IPM2HBcm

Ser Leu Leu Thr Glu Val Glu Amino terminus of the M2 protein of A/Udm/72

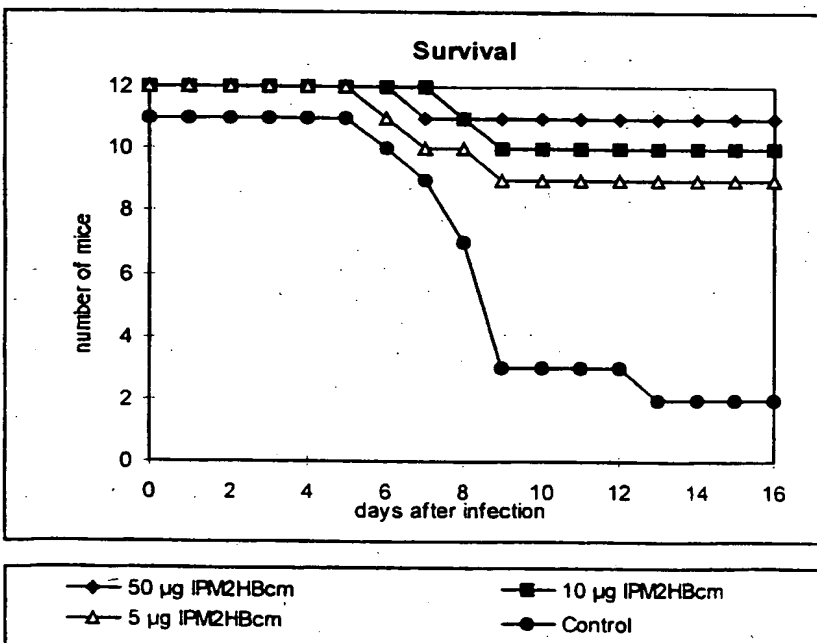
004020-94086460

Figure 8

A



B



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fig.8D

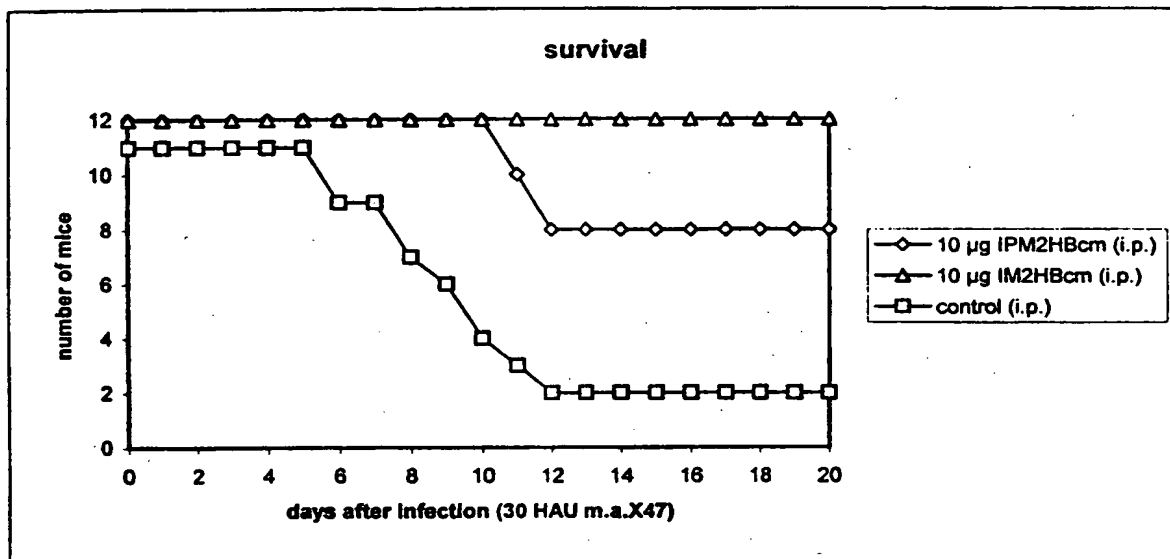
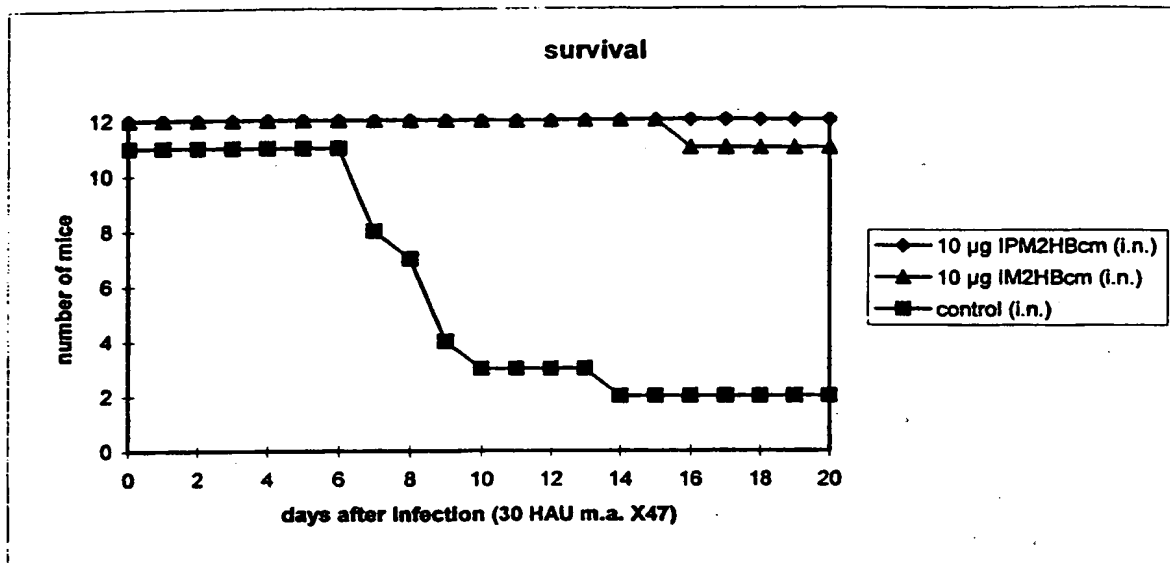


fig.8C

	surviving mice
10 µg IPM2HBcm (i.n.)	12/12
10 µg IM2HBcm (i.n.)	11/12
control (i.n.)	2/11
10 µg IPM2HBcm (i.p.)	8/12
10 µg IM2HBcm (i.p.)	12/12
control (i.p.)	2/12

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Figure 9

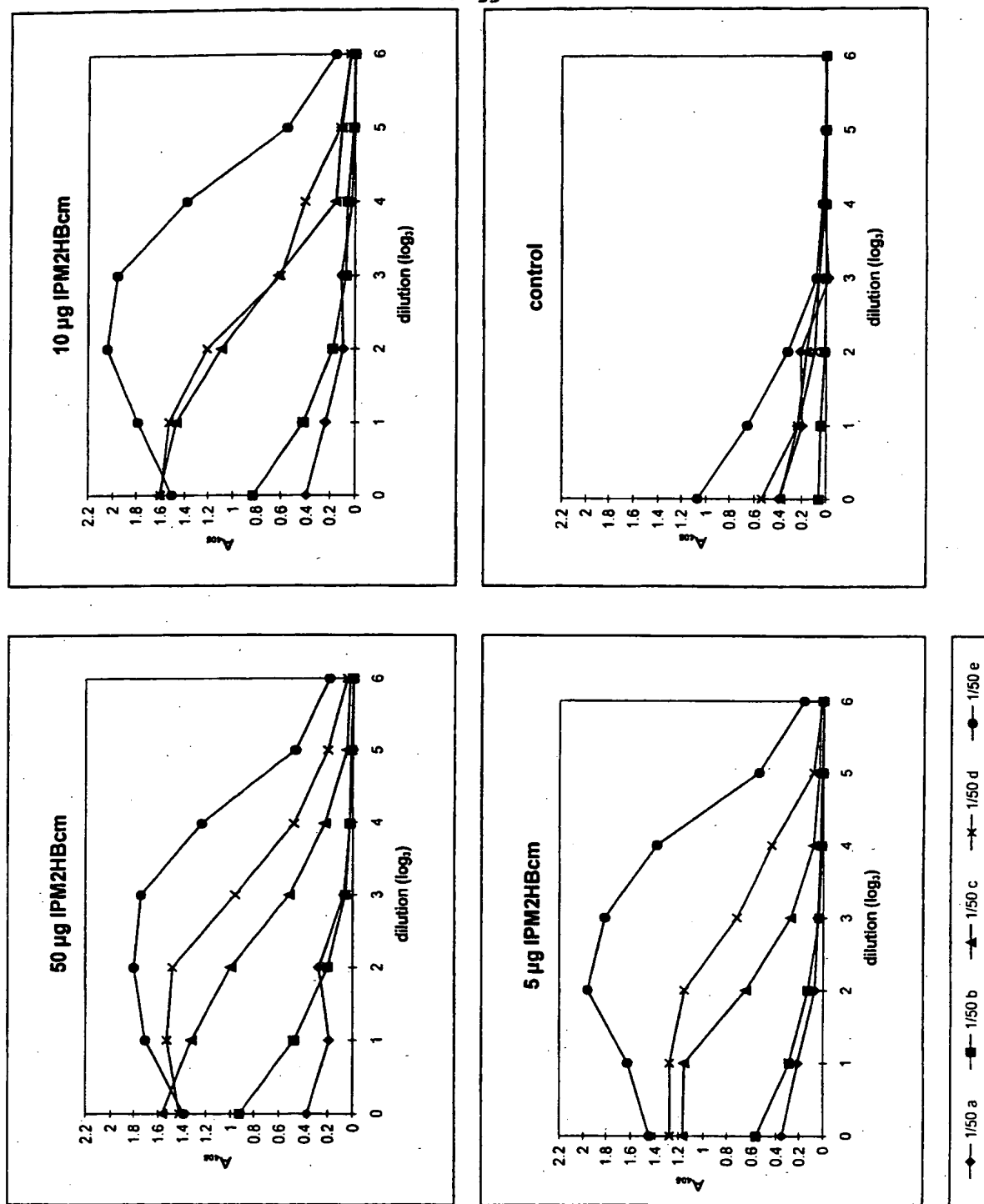




Figure 10

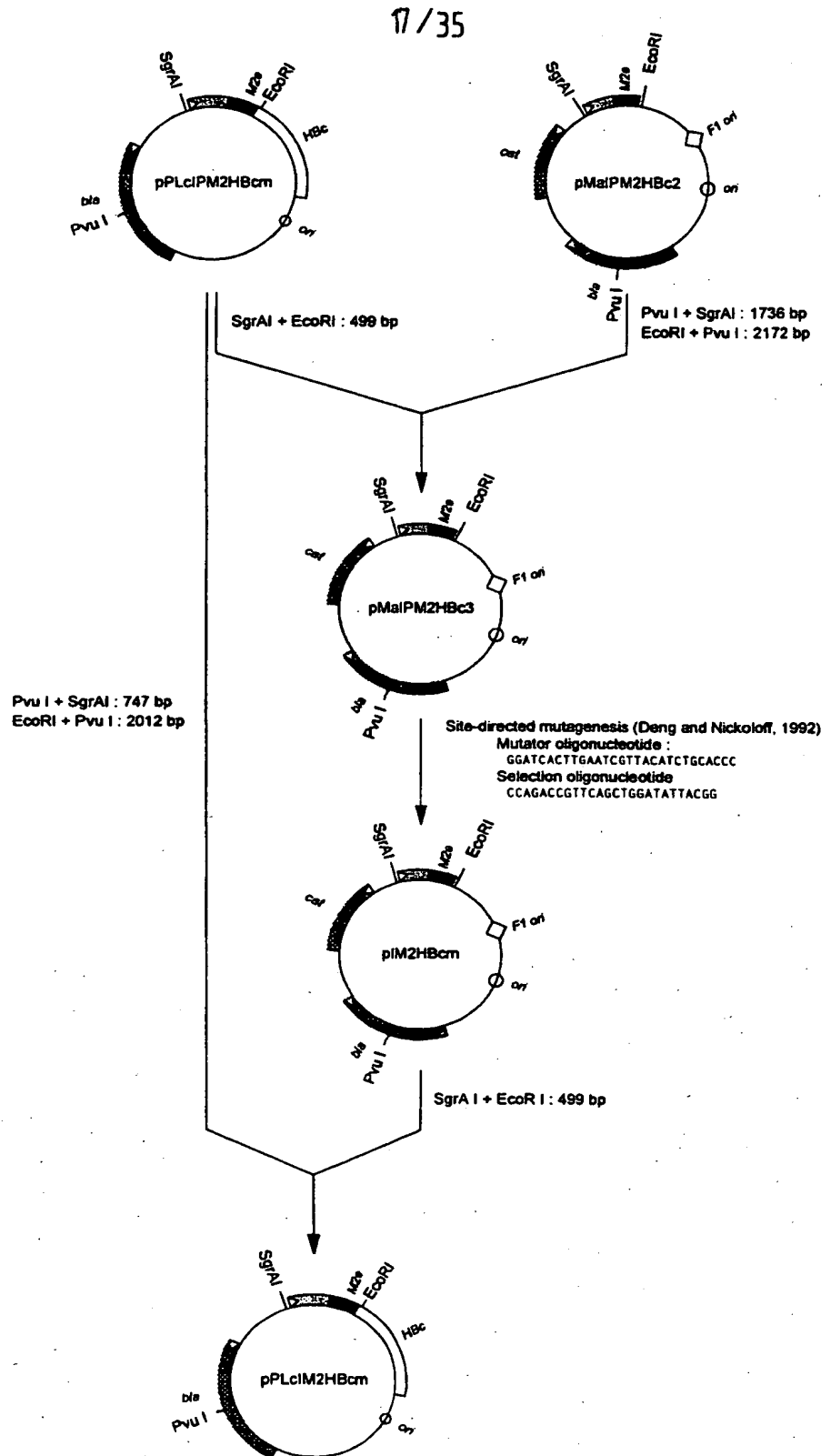


Figure 11

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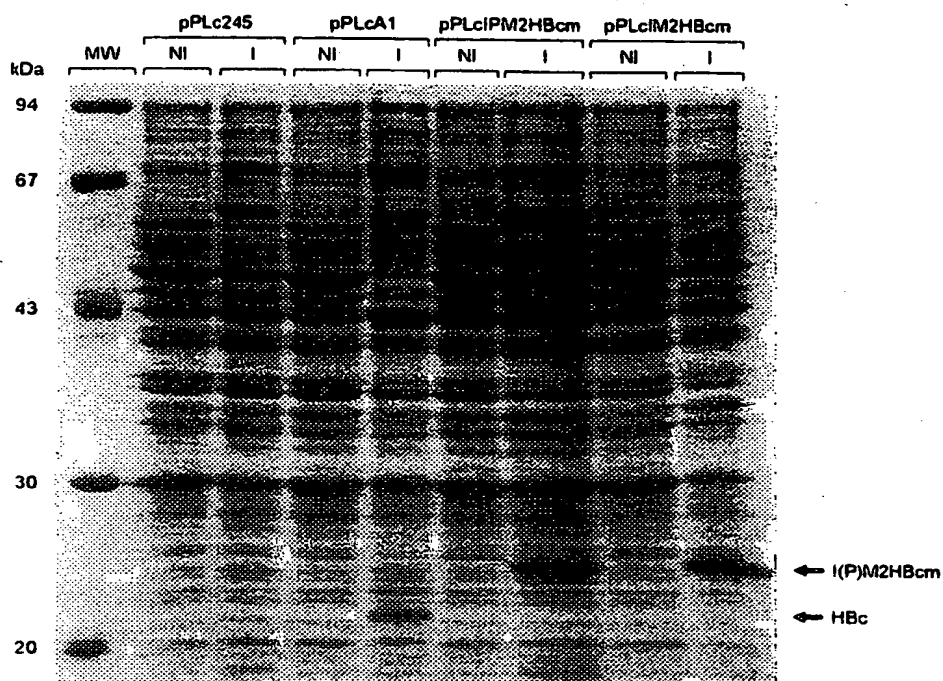
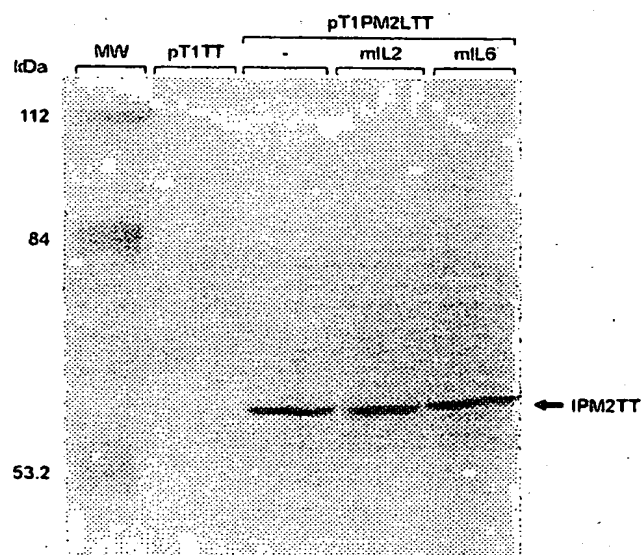


Figure 21



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Figure 12

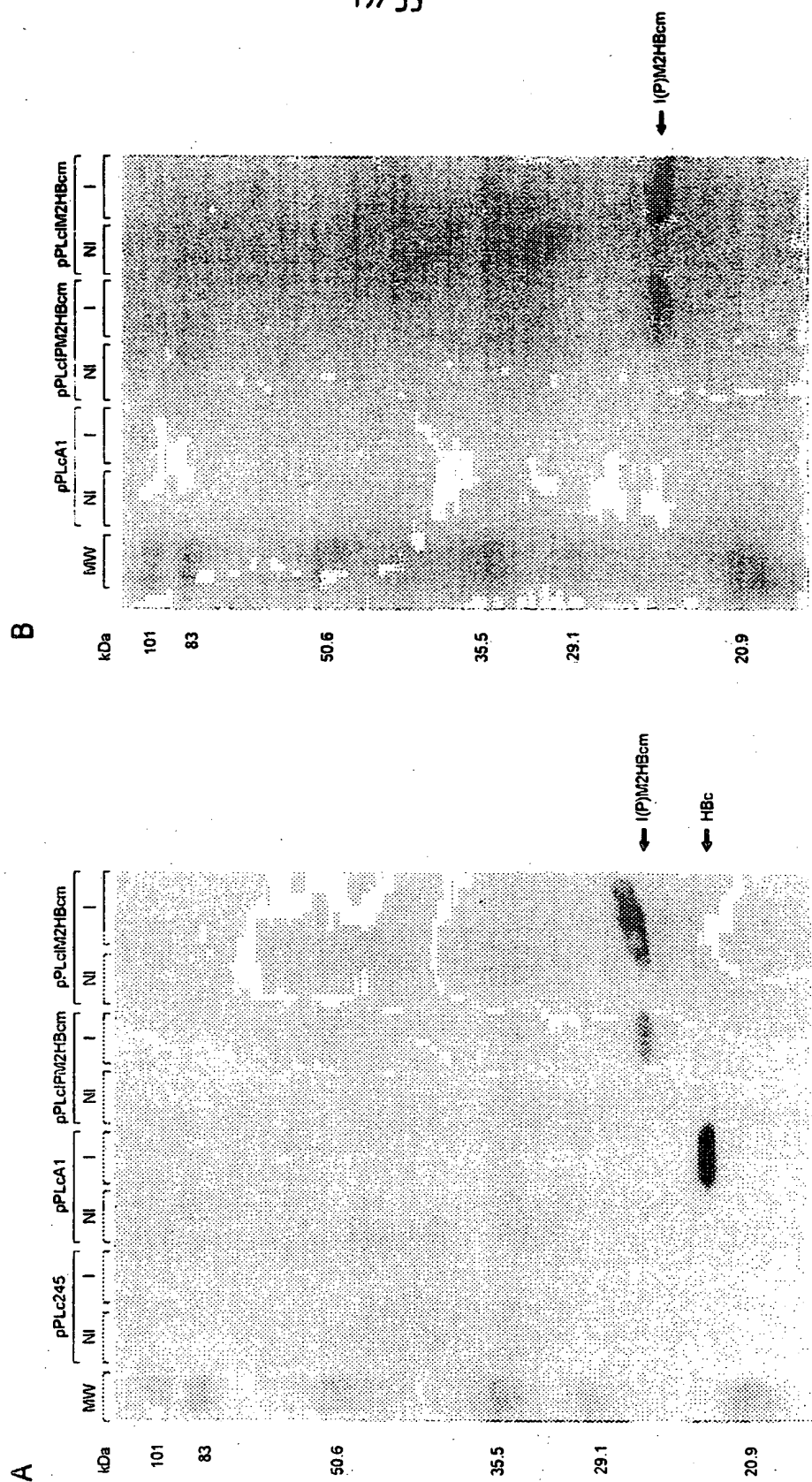


Figure 13

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HBcs (27-mer)

CATGGATATGGATCCTTATAAAGAATT  
start

M2s (23-mer)

CATGTCTCTGCTGACCGAAGTTG  
start

M2Ls (29-mer)

CATGTCTTTATTAACCGAAGTTGAAACCC  
start

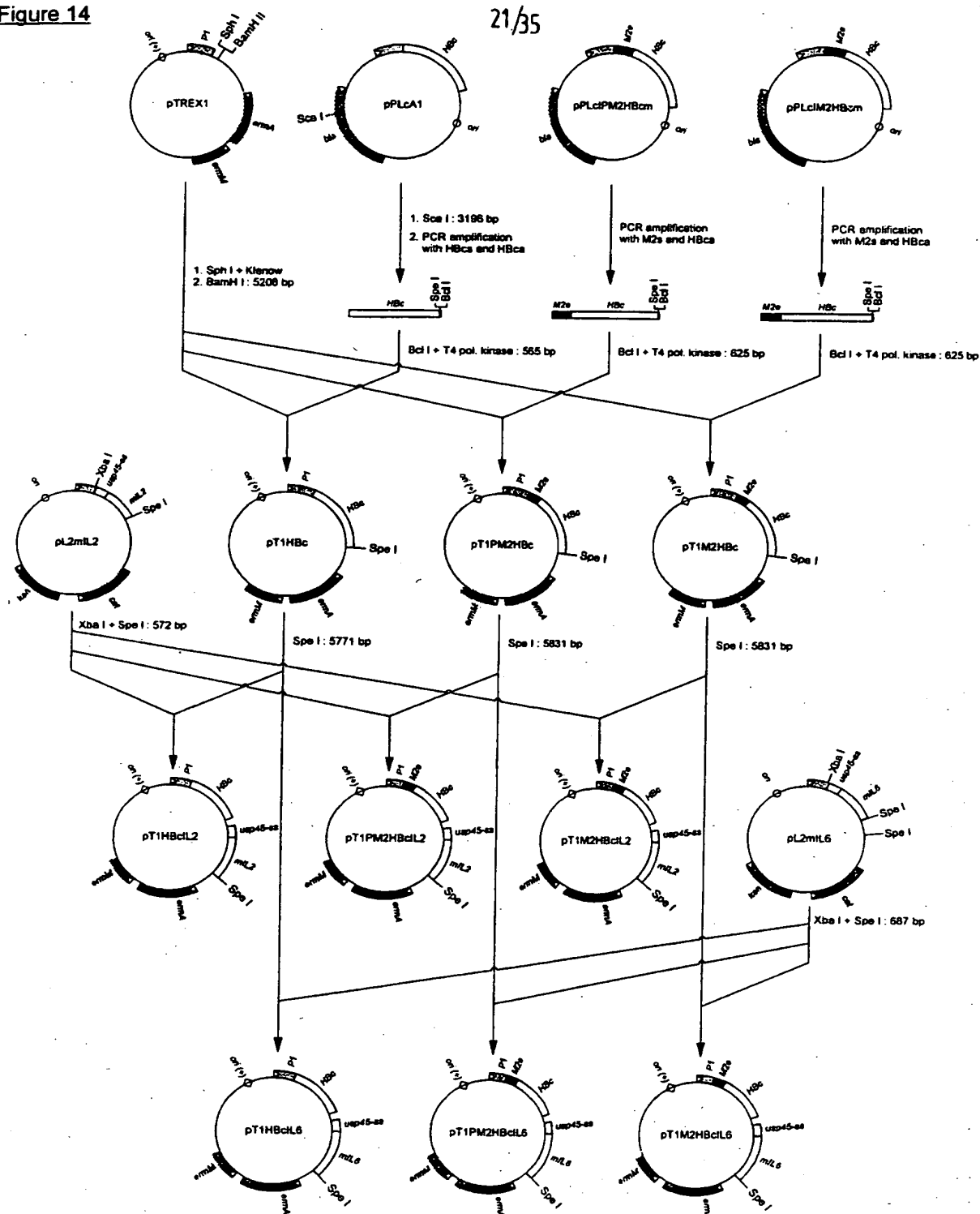
HBca (39-mer)

CGTGATCAACTAGTTCACTAACATTGAGATTCCCGAGAT  
Bcl I      Spe I      stop

000000-94086460

Figure 14

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**Figure 1b**

Western blot analysis showing the expression of pT1M2HBc and pT1PM2HBc. The blot is divided into two main sections: pT1PM2HBc (left) and pT1M2HBc (right). Each section has lanes for MW (Molecular Weight), C (Control), and E (Empty vector) and L (Lysate). Molecular weight markers are indicated on the left: 101, 83, 50.6, 35.5, 29.1, and 20.9 kDa. A band at 29.1 kDa is labeled I(P)M2HBc.

Figure 17

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M2Ca (33-mer)

CGGGATCCCCACTTGAATCGTTACATCTGCACC  
BamH I

M2LSs (30-mer)

TCTTTATTAACCGAAGTTGAAACCCCTATC  
Ser

C3ds (35-mer)

CCGCGCCCAACCGACGAGATCTCGGATCTACCCCC  
Bgl II

C3da (38-mer)

GCACTAGTTCAAGGATCCGATCCGAACCTCTTCAGATCC  
Spe I stop BamH I

004020-94086460

Figure 18

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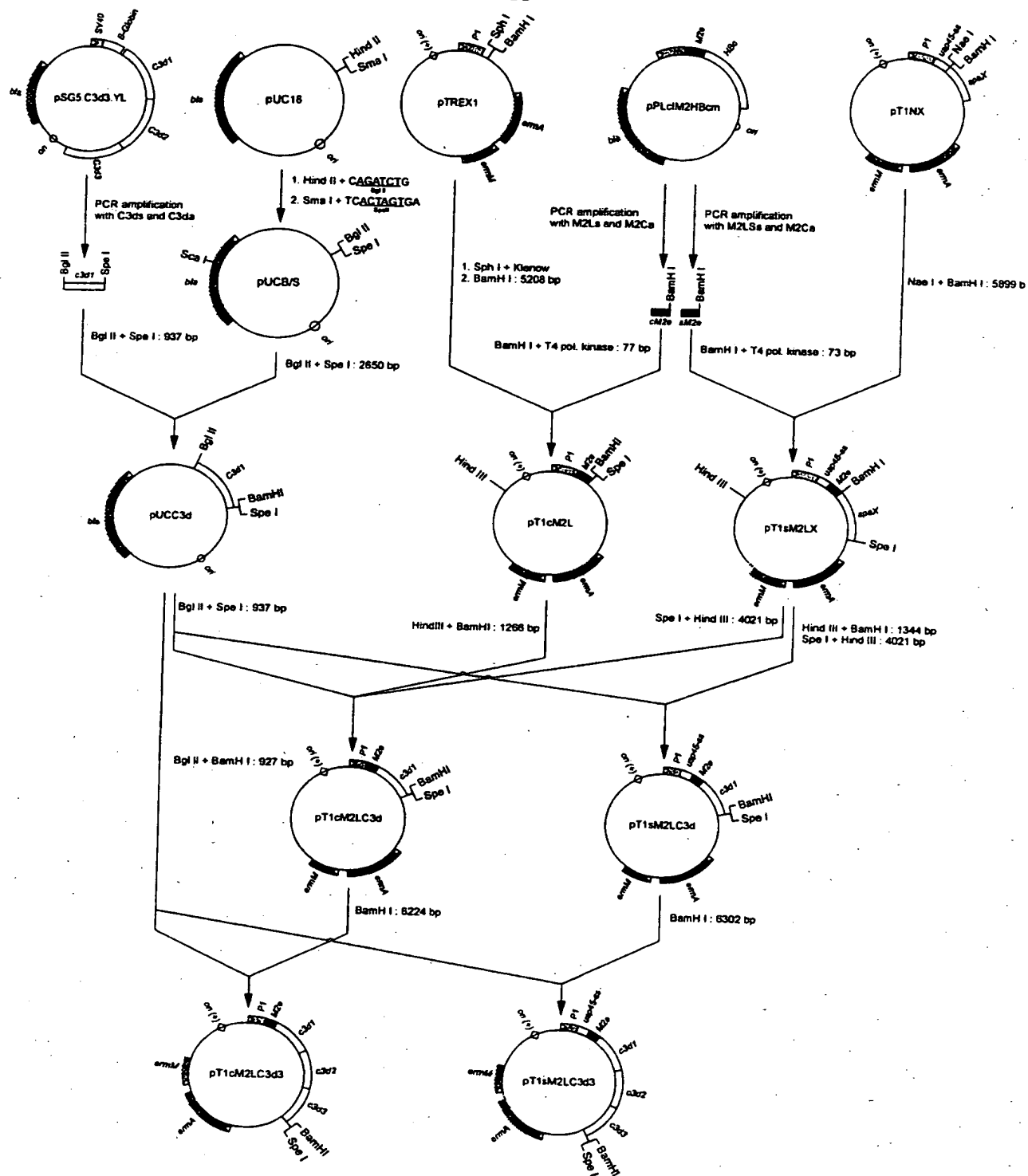




Figure 19

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TTFCs (35-mer)

CGGGATCCGACACCAATTCCATTTTCTTATTCTAA  
BamH I

TTFCa (25-mer)

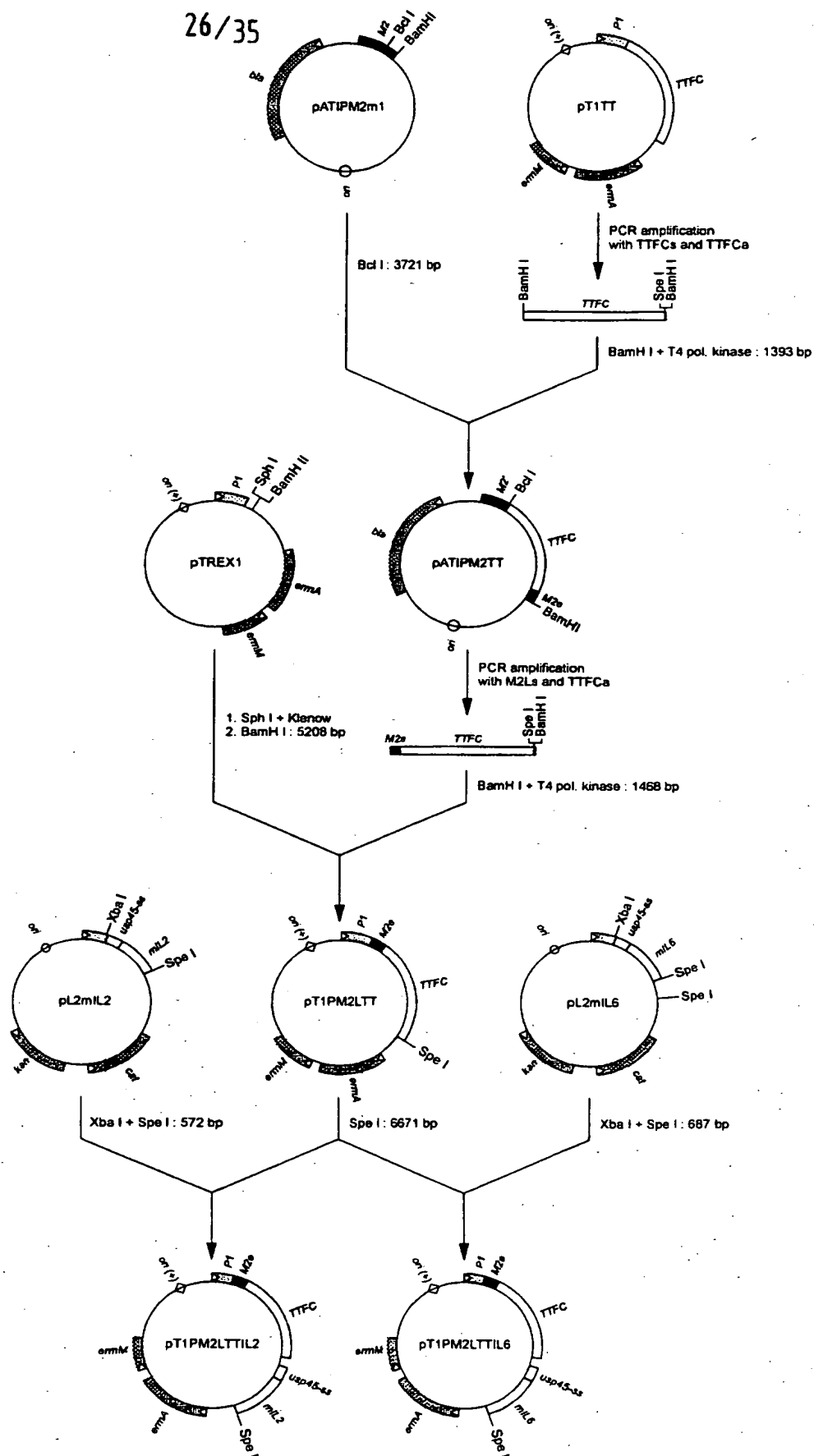
GGGGATCCACTAGTTTAATCATTTG  
Bcl I Spe I stop

M2Ls (29-mer)

CATGTCCTTATTAAACCGAAGTTGAAACCC  
start

001020-94088460

Figure 20



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**Figure 22**

GP67s (25-mer)

GCTACTAGTAAATCAGTCACACCAA  
SpeI

GP67a (33-mer)

CGAAGCTTGCCGGCAAAGGCAGAATGCGCCGCC  
HindIII NaeI**Figure 23**

M2Ss (23-mer)

TCTCTGCTGACCGAAGTTGAAAC

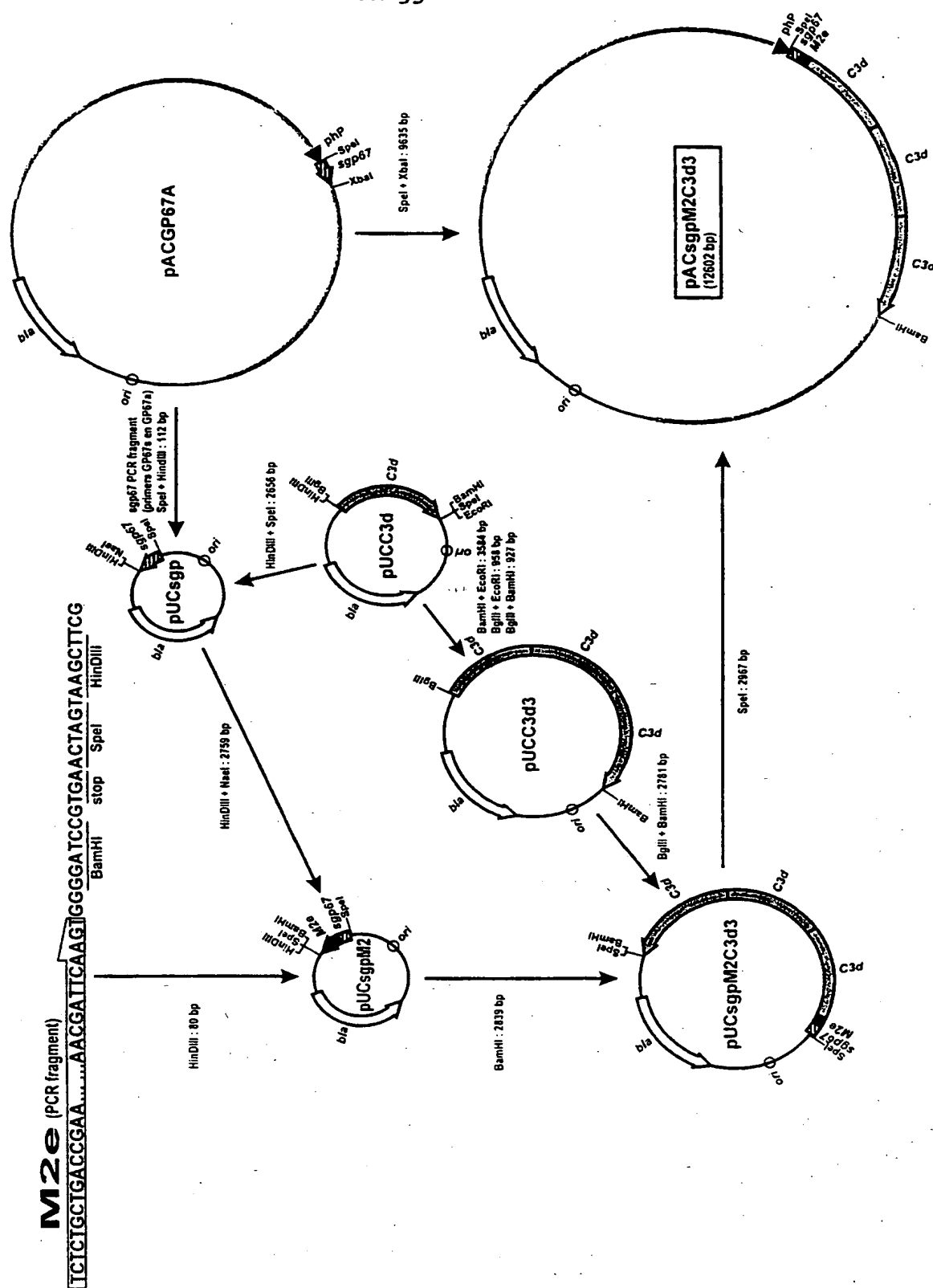
UM2ECa (50-mer)

CGAAGCTTACTAGTTCACGGATCCCCACTTGAATCGTTGCATCTGCACCC  
HindIII SpeI stop BamHI

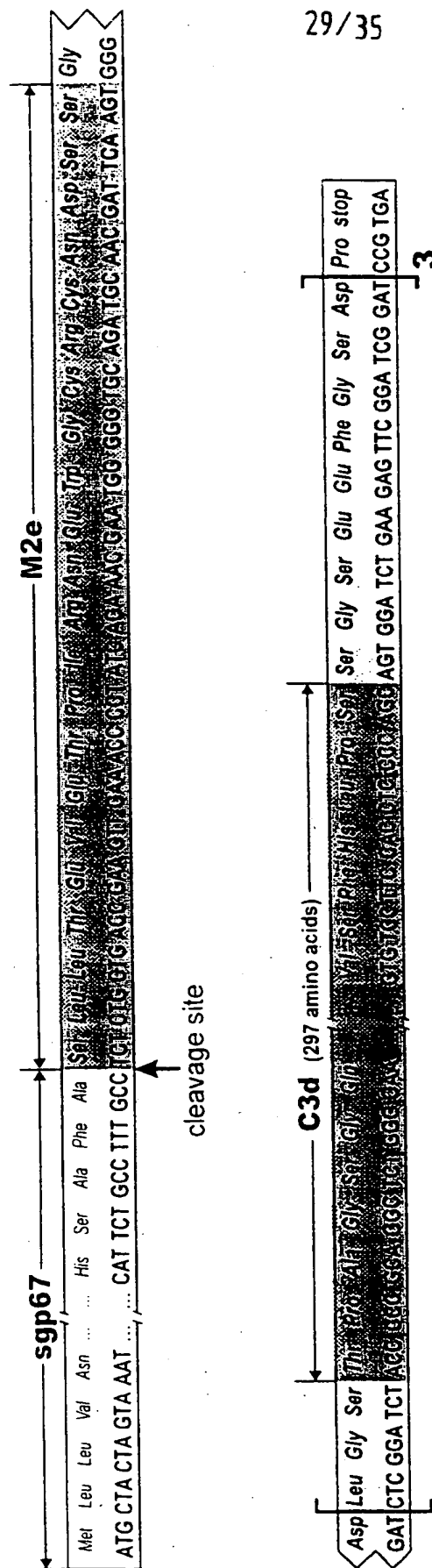
004020-94036460

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Figure 24

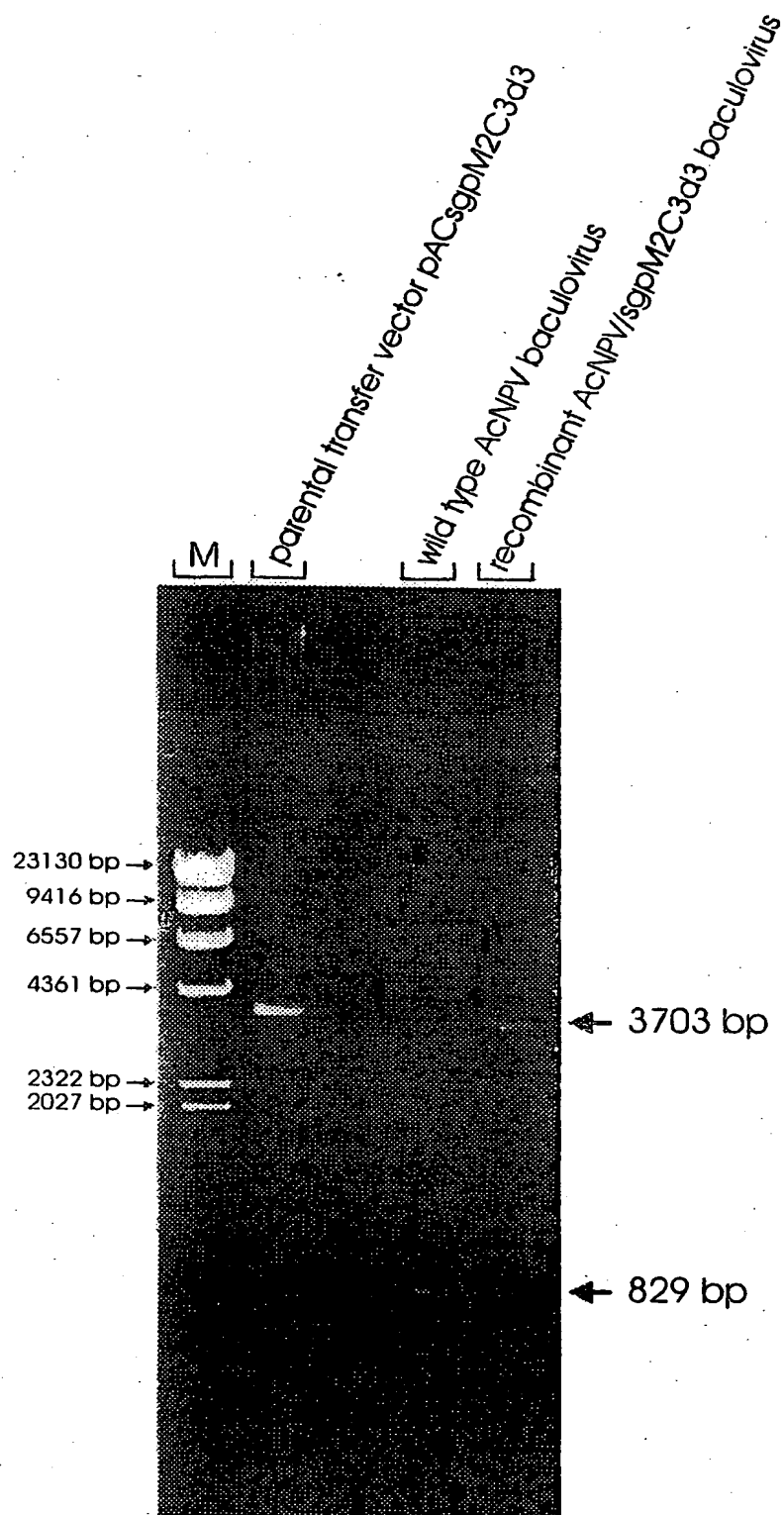


**Figure 25**

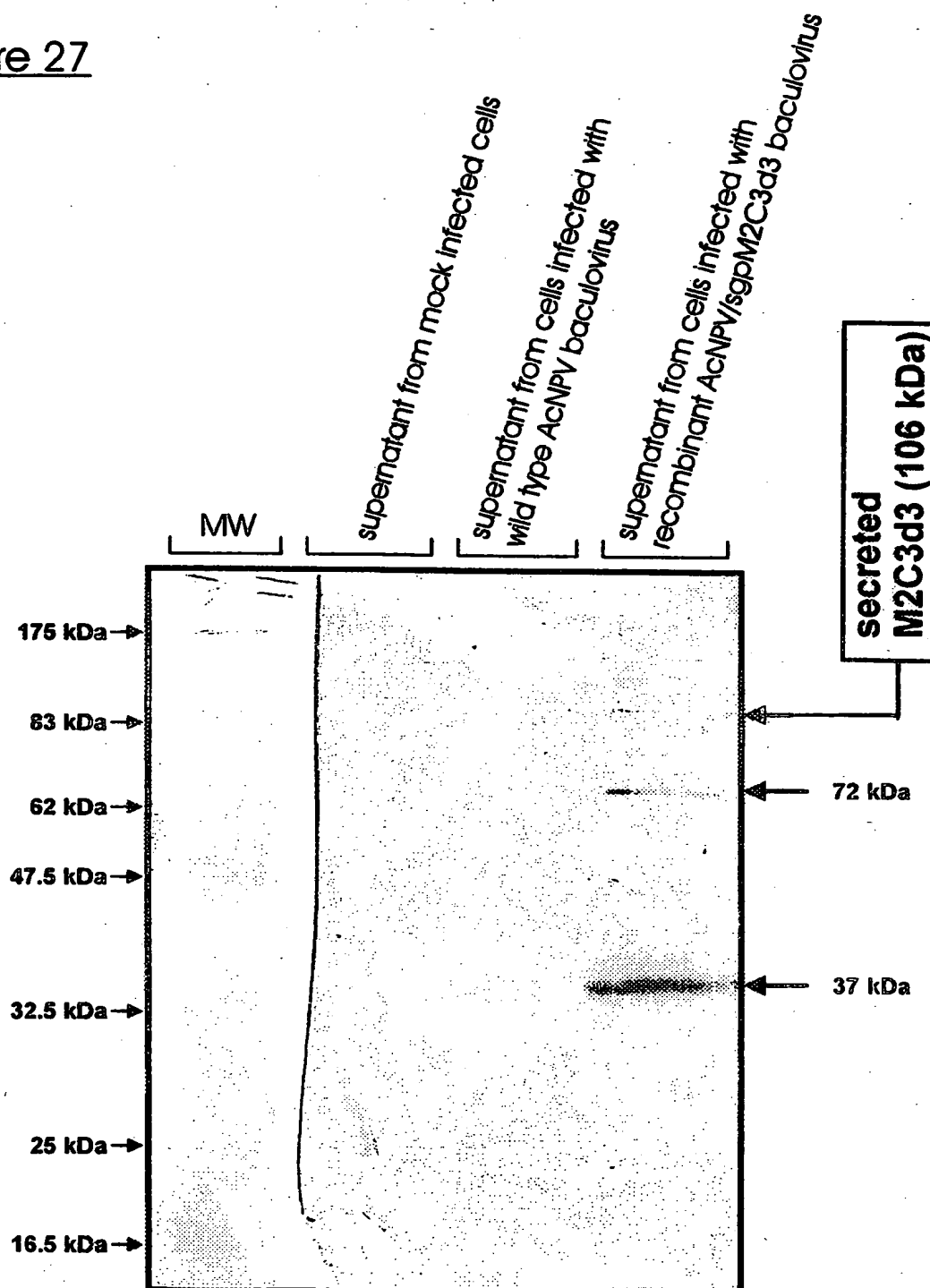


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Figure 26

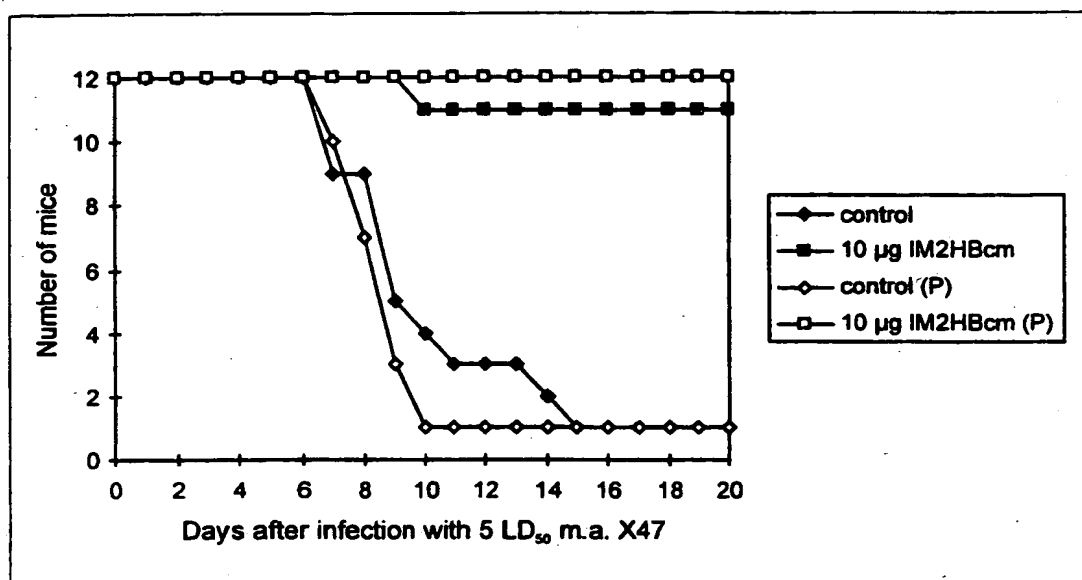


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Figure 27

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Figure 28

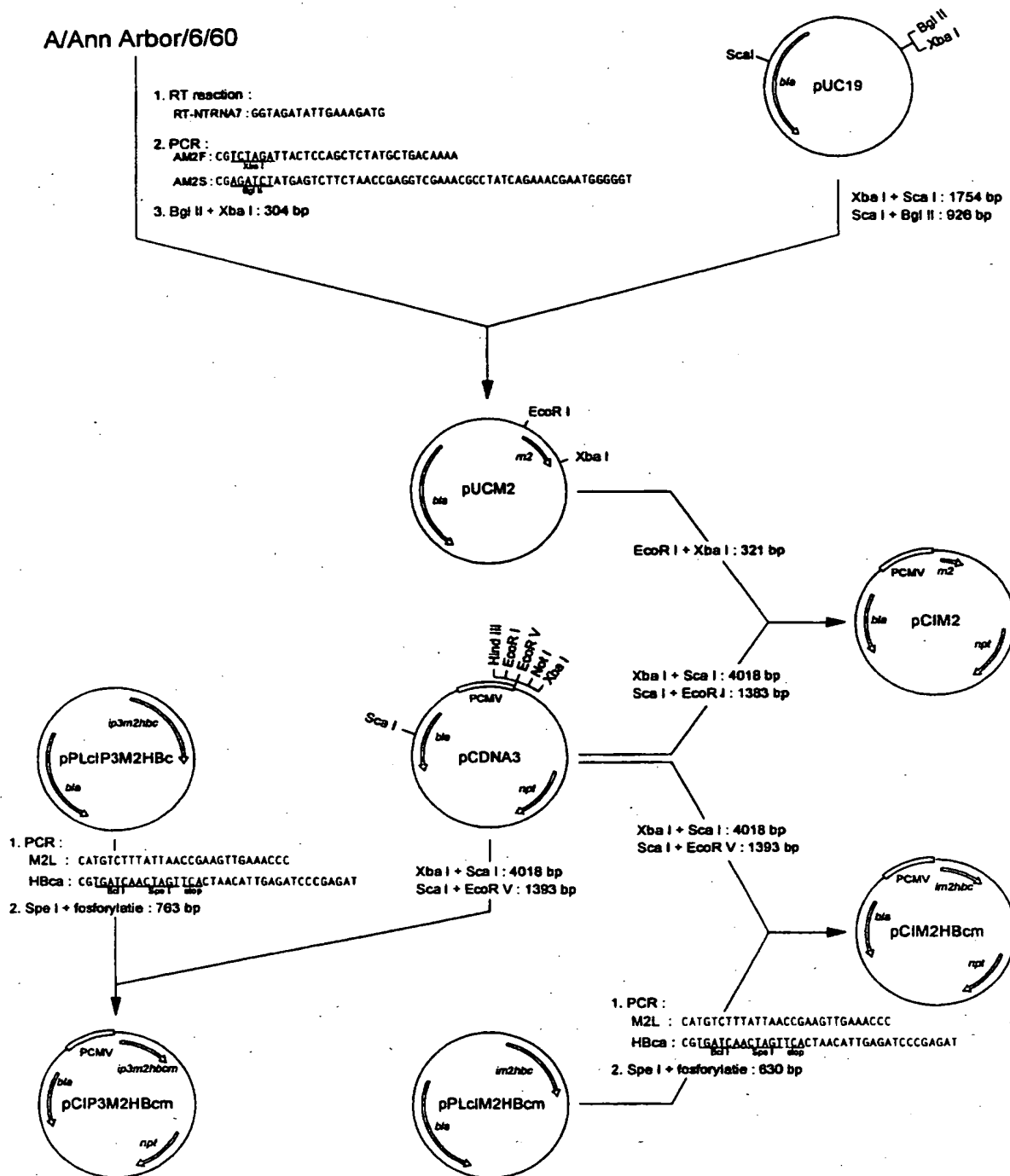




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Figure 29

A/Ann Arbor/6/60



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Figure 30

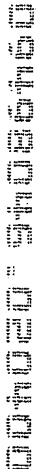


Figure 31

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